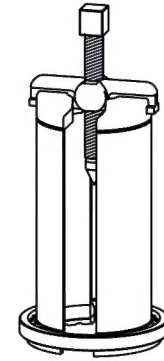
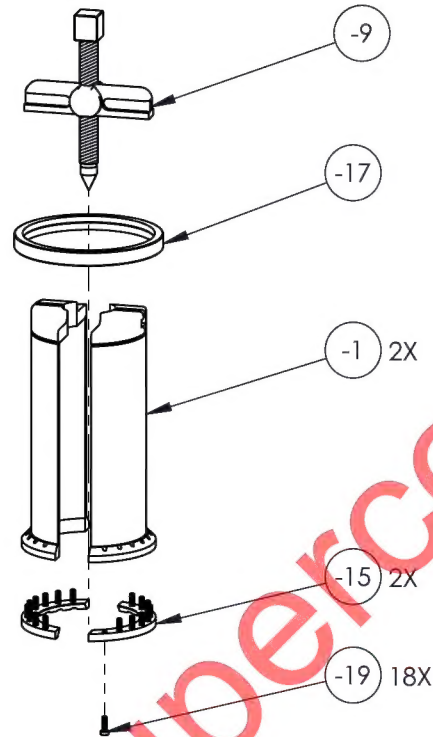


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	2/4/2016	RJC	JAG



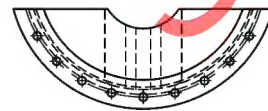
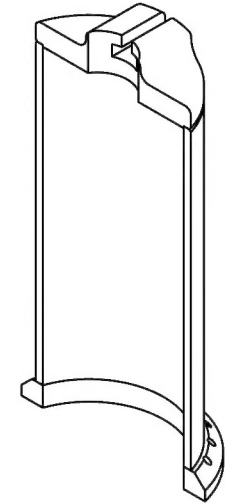
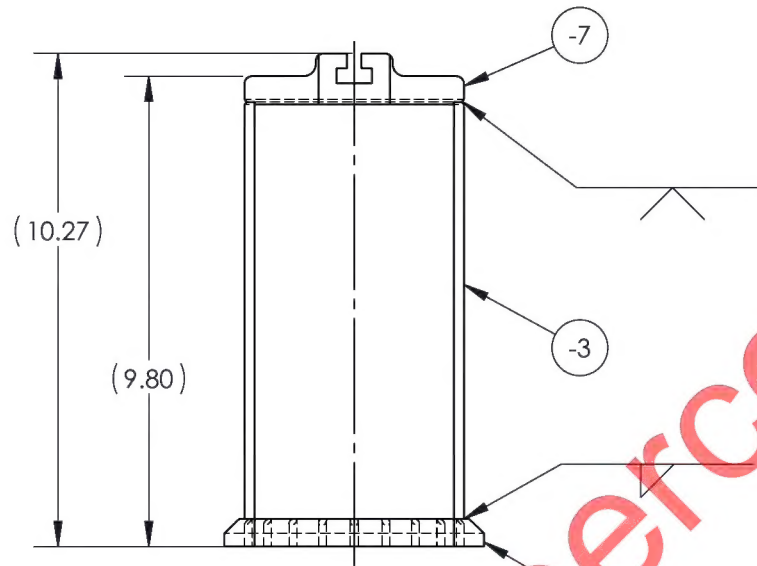
NOTE:
REF. EUROCOPTER T/N: 105-14181W4

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	2	SHELL WELDMENT			2
	1		-3		SHELL	6061		3
	1		-5		SHELL BASE	6061		4
	1		-7		CAP	6061		5
X			-9	1	EXTRACTOR			6
1			-11		PULLER	4140/4142 Q & T		9
1			-13		BOLT	4140/4142 Q & T		10
			-15	1	BASE	O-1		7
			-17	1	CLAMPING RING	4140/4142 Q & T		8
		B/O	-19	18	SOCKET HEAD CP SCREW	STEEL	M5X.8 X 16mm (MCMASTER-CARR #93070A125)	1
ASSY -9	ASSY -1							

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4	REV 1
MAT'L REPT TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	EC145
SCALE 1:8	DATE 12/14/2015
SHEET 1 OF 10	

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(-1)

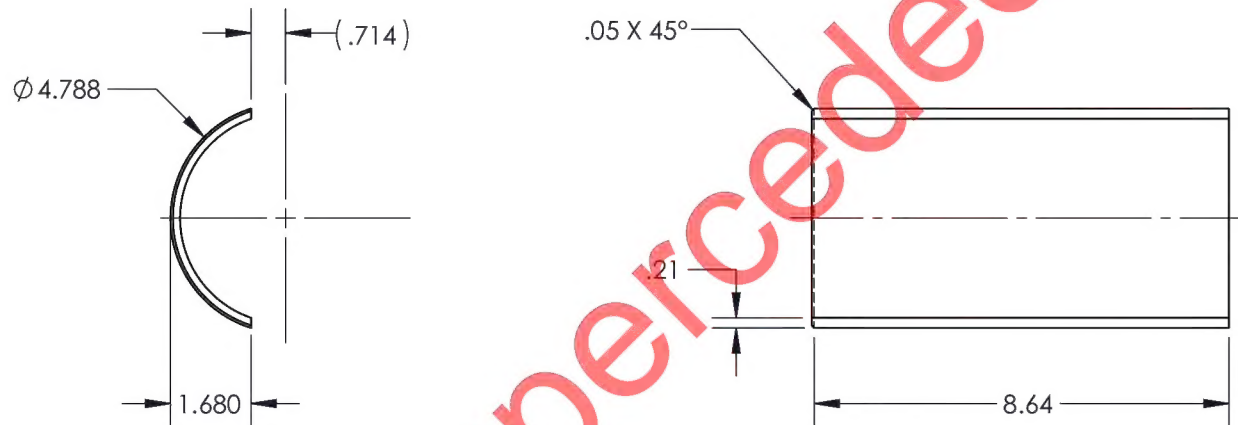
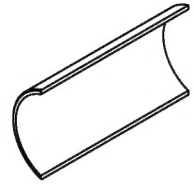
SHELL WELDMENT



TITLE		EXTRACTOR	
DWG NO.		RBE105-14181W4-1	REV 1
MAT'L	UNLESS OTHERWISE SPECIFIED		
HEAT TREAT	DIMENSIONS ARE IN INCHES		
FINISH	CLEAR ANODIZE	.XXX ± .005	FRACTIONS ± 1/8
SPEC	MIL-A-8625, TYPE II, CLASS I	.XX ± .01	ANGLES ± .5°
DRAWN BY:	CLOUGH	.X ± .1	SURFACES = 125°
CHECKED:	DUERFELDT	1. BREAK ALL SHARP EDGES	
OPPS APPR:	ANDERSON	.015 x 45° OR .015R	
QA APPR:	LINDSAY	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
APPROVED:	GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
SCALE	1:4	DATE	12/24/2015
		SHEET 2 OF 10	

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				APPROVED



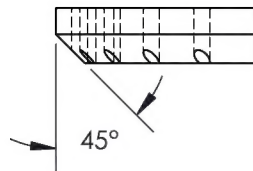
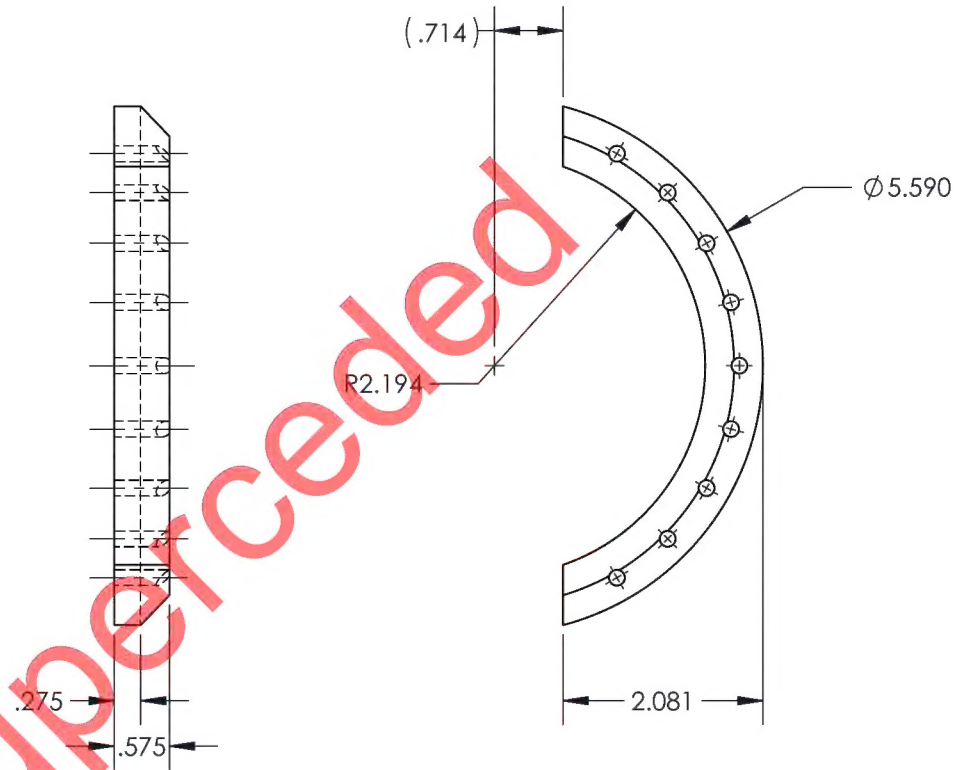
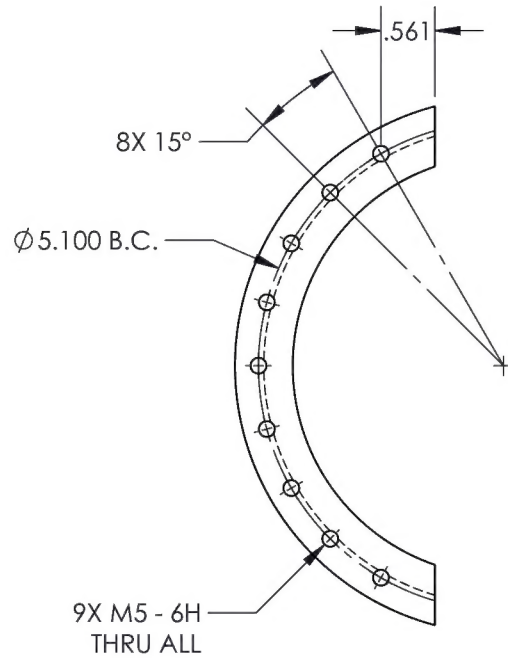
(-3)

SHELL

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-3	REV 1
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1 WELDMENT	.XXX \pm .005 FRACTIONS \pm 1/8
SPEC	.XX \pm .01 ANGLES \pm 5°
DRAWN BY: CLOUGH	.X \pm .1 SURFACES = 125°
CHECKED: DUERFELDT	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	EC145
SCALE 1:4	DATE 12/24/2015
	SHEET 3 OF 10

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

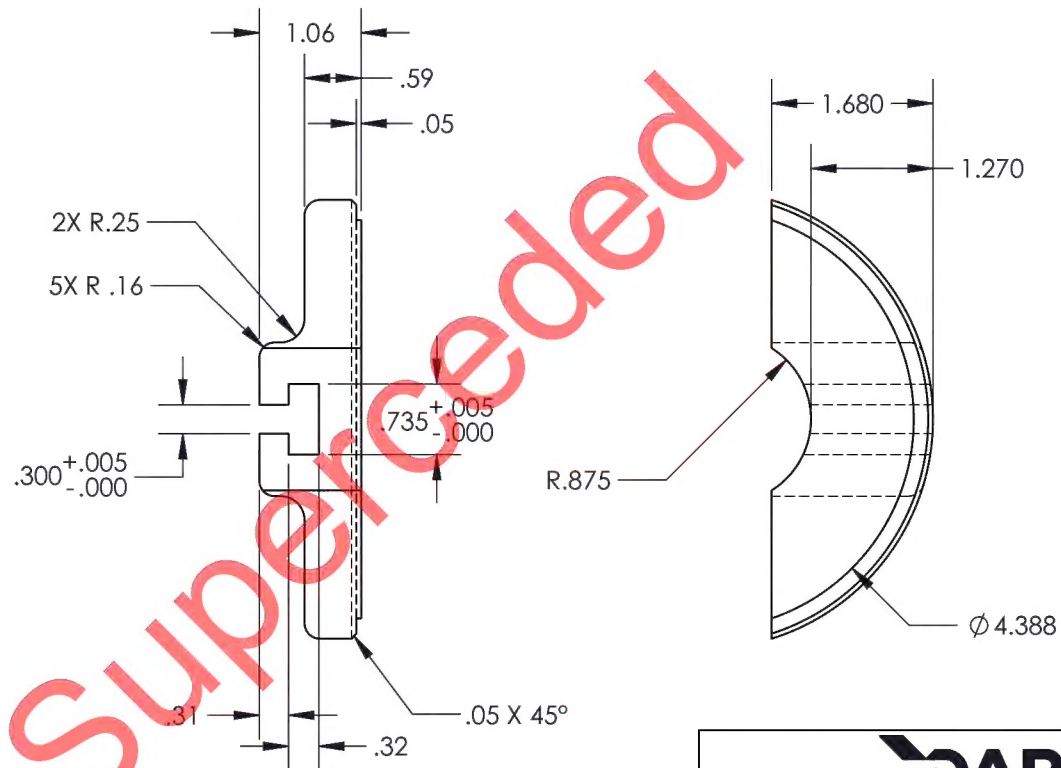
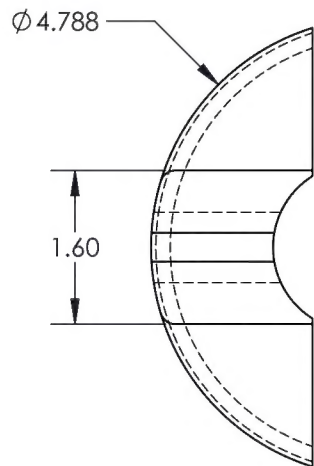


(-5)
SHELL BASE

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-5	REV 1
MAT'L 6061 HEAT TREAT FINISH SEE -1 WELDMENT SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH CHECKED: DUERFELDT OPPTS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	
USED ON MODEL EC145	
SCALE 1:2	DATE 12/24/2015
SHEET 4 OF 10	

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				APPROVED



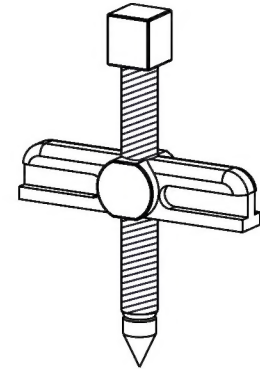
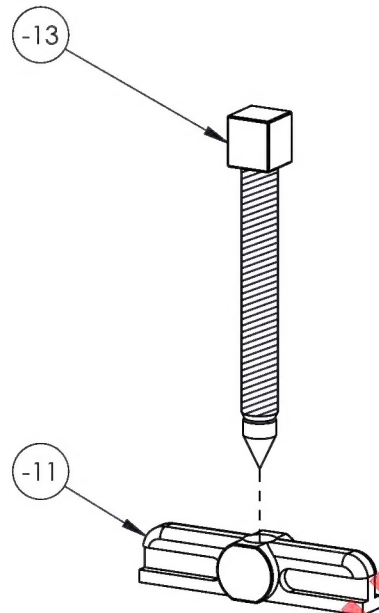
(-7)

CAP

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-7	REV 1
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH SEE -1 WELDMENT	.XX ± .01 ANGLES ± 5°
SPEC	.X ± .1 SURFACES = 125/✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	EC145
SCALE 1:2	DATE 12/24/2015
SHEET 5 OF 10	

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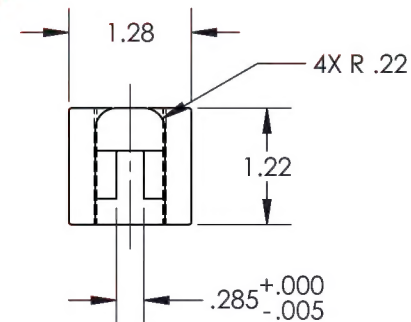
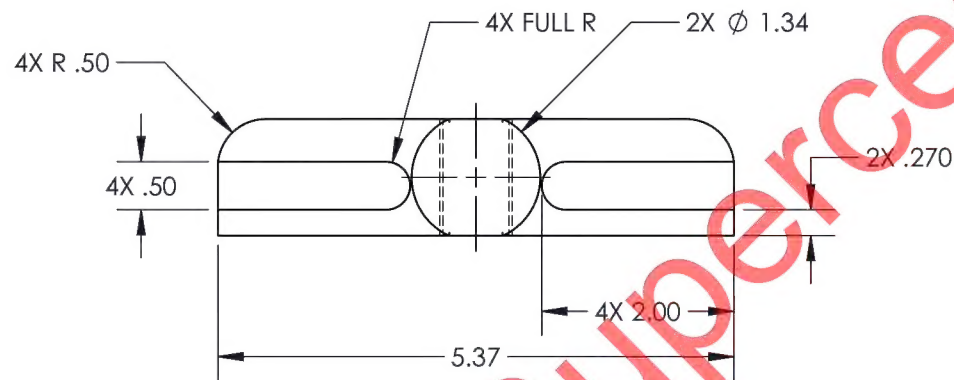
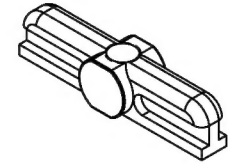
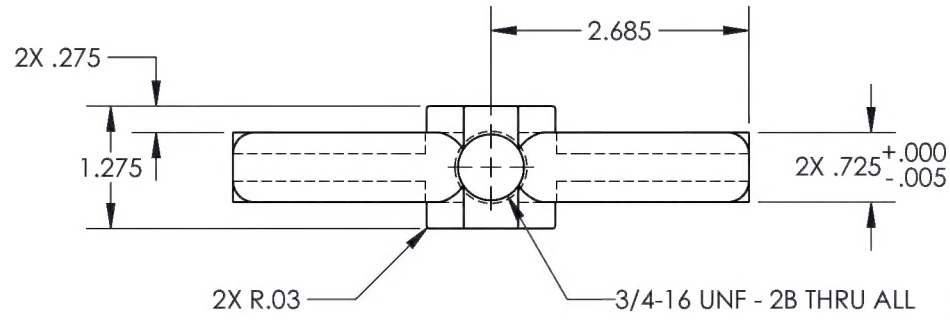


(9)
EXTRACTOR

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-9	REV 1
MAT'L FEAT TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° ✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DRAWN BY: CLOUGH	
CHECKED: DUERFELDT	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	EC145
SCALE 1:4	DATE 12/24/2015
SHEET 6 OF 10	

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				APPROVED



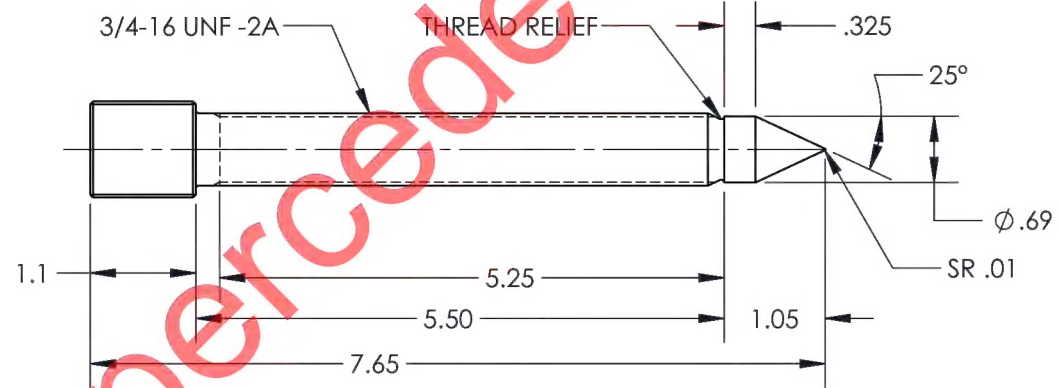
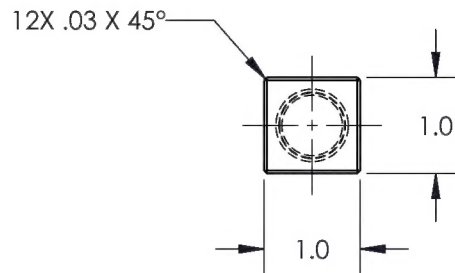
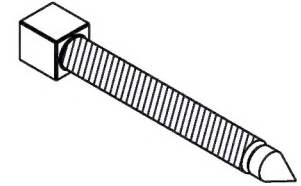
(-11)

PULLER

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-11	REV 1
MAT'L 4140/4142 Q & T HEAT TREAT FINISH ZINC PLATE SPEC ASTM B633 TYPE I SC 2	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH	USED ON MODEL EC145
CHECKED: DUERFELDT	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 12/24/2015
SHEET 7 OF 10	

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			APPROVED



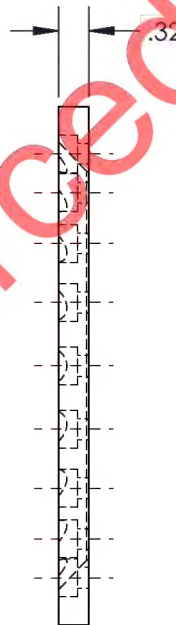
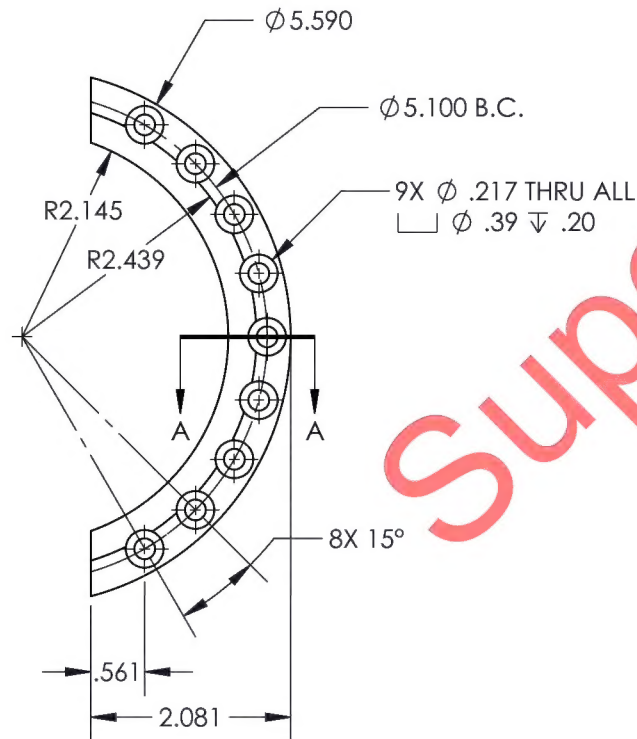
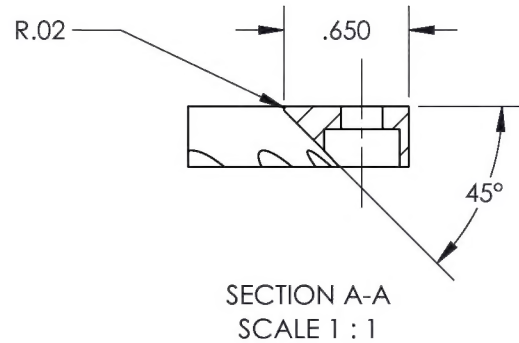
(13)

BOLT

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-13	REV 1
MAT'L 4140/4142 Q & T TREAT FINISH ZINC PLATE SPEC ASTM B633 TYPE I SC 2	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125/	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH	USED ON MODEL
CHECKED: DUERFELDT	EC145
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 12/24/2015
SHEET 8 OF 10	

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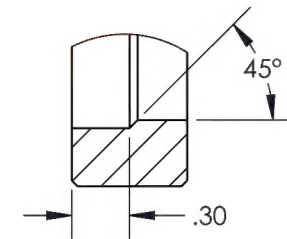
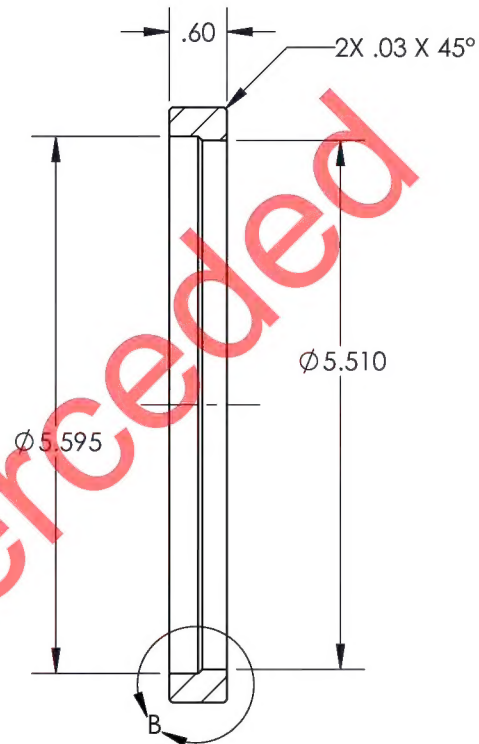
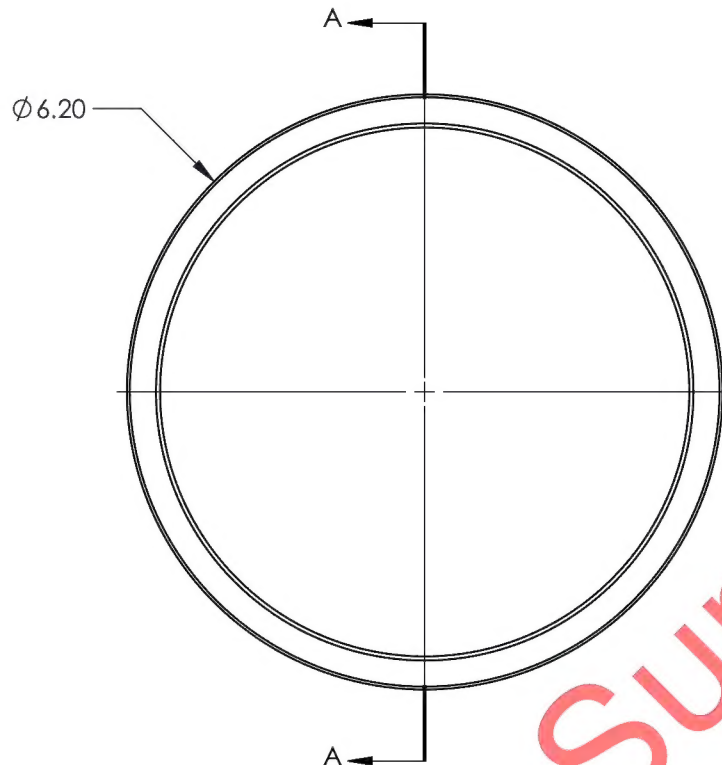


(-15)
BASE

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-15	REV 1
MAT'L O-1 HEAT TREAT RC 45-50 FINISH ZINC PLATE SPEC ASTM B633 TYPE I SC 2	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH CHECKED: DUERFELDT OPPTS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	
USED ON MODEL EC145	
SCALE 1:2	DATE 12/24/2015
SHEET 9 OF 10	

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DETAIL B
SCALE 1 : 1

SECTION A-A

(-17)

CLAMPING RING



TITLE		EXTRACTOR	
DWG NO.		RBE105-14181W4-17	REV 1
MAT'L 4140/4142 Q & T		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH ZINC PLATE		.XXX ± .005 FRACTIONS ± 1/8	
SPEC ASTM B633 TYPE I SC 2		.XX ± .01 ANGLES ± 5°	
		.X ± .1 SURFACES = 125/✓	
DRAWN BY: CLOUGH		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED: DUERFELDT		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR: ANDERSON		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR: LINDSAY		USED ON MODEL	
APPROVED: GILBERT		EC145	
SCALE 1:2	DATE 12/24/2015	SHEET 10 OF 10	